

ADJUSTABLE SHIFT DETENT ASSEMBLY

ABSTRACT OF THE DISCLOSURE

A vehicle transmission detent assembly is provided that includes a housing having a bore. A movable shift rail is supported by the housing and includes a recess at least partially aligned with the bore. A detent is at least partially arranged within the bore and engages the recess. A biasing member generates a force on the detent and urges the detent into engagement with the recess. An adjustment member threadingly received within a portion of the housing coacts with the biasing member. Upon manipulation of the adjustment member, the biasing member may be moved between a plurality of compressive states in which each of the states generates a different force on the detent. In this manner, the biasing spring may be compressed or uncompressed to provide a desired shift feel.

N:\Clients\ZF MERITOR\IP00257\Patent\application .doc